

**U.S.P.S. SPECIFICATION NO. 201
ARCHITECTURAL SPECIFICATIONS FOR
SCISSORS LIFTS USED IN U.S. POSTAL FACILITIES
(U.S.P.S. Item Number PSIN 3911-A)
(Platform, Elevating, Electro-Hydraulic, Scissors Type)**



UNITED STATES POSTAL SERVICE ARCHITECTURAL SPECIFICATIONS

SECTION 11163 - DOCK LIFT (PIT MOUNTED SCISSORS TYPE)

PART 1 – GENERAL

1.01 – WORK INCLUDED

- A. Factory assembled dock lift platform, scissors lifting mechanism and base frame.
- B. Electric-hydraulic power unit and operating controls.
- C. Installation and owners manual.

1.02 – RELATED WORK SPECIFIED ELSEWHERE

- A. Section _____, “Concrete” for setting sleeves.
- B. Section _____, “Structural Steel” for pit steel curb angles.
- C. Division _____, “Electrical” for electrical service.

1.03 – REFERENCES

- A. ANSI MH29.1 – “Safety Requirements for Industrial Scissors Lifts”

1.04 - SUBMITTALS

- A. Submit prints showing wiring diagrams, concrete pit dimensions and conduit runs.

1.05 – QUALITY ASSURANCE

- A. Conform to the requirements of ANSI MH29.1
- B. Manufacturer must have a minimum of 5 years experience in manufacturing the Product specified.

PART 2 – PRODUCTS

2.01 – ACCEPTABLE MANUFACTURERS

- A. Advance Lifts, Inc., St. Charles, IL (800-843-3625) – No Substitutes

2.02 – MATERIALS

- A. Advance Lifts Model Number 2500K
- B. Description:
 - 1. Type: Electric hydraulic scissors type dock lift designed for permanent, recessed installation in a preformed concrete pit as indicated on the drawings.
 - 2. Lifting Capacity: 5000 lbs.
 - 3. Platform Size: 6 feet wide x 8 feet long.

4. Lowered Height: 10 inches.
5. Vertical Travel: 58 inches minimum.
6. Bridge Size: 36 inches long x 66 inches wide aluminum split bridge.
7. Horse Power: 5 HP
8. Speed: 12 F.P.M.
9. Voltage: _____ Volts, _____ Hertz, _____ Phase.
10. Electrical Control: NEMA 4 weatherproof pendant Up-Down, constant pressure push button station with 20 feet of coil type cord and a quick disconnect.

C. Fabrication:

1. Platform: The platform shall have a safety tread steel deck and minimum 8 inch reinforced solid steel plate bevel toe guards which are flush with the outer edge of the deck in conformance with ANSI MH29.1. The toe guards shall have 2 inch black and yellow safety marking and there shall be a minimum 2 inch safety clearance between the bottom edge of the toe guard and the pit floor when the lift is fully lowered.
2. Hinged Bridge: The safety tread steel bridge shall have a safety lifting chain and a continuous piano hinge, which is welded to the platform. The hinge pin shall be made from $\frac{3}{4}$ inch diameter stress proof steel.
3. Handrails: The lift shall be equipped with removable 42 inch high handrails on 2 sides of the platform with a personnel safety restraint chain across both ends and built in conformance with ANSI MH29.1.
4. Cylinders: The lift shall be equipped with heavy duty piston type cylinders with piston wear rings, lifetime lubricated bearings, flow controls, chrome plated rods and positive internal mechanical stops within the cylinder housing to prevent the lift from collapsing when fully raised. The lift proper shall have a separate high pressure hydraulic filter for the cylinders in addition to the power unit filters.
5. Bearings And Axles: Leg assembly roller wheels and pivot points shall be equipped with lifetime lubricated bearings that never need to be greased or oiled. Pins and axles shall be hard chrome plated and easily removable for servicing, not welded in place.
6. Power Unit: The electric hydraulic power unit shall be self contained and located where convenient. It shall consist of a continuous duty motor and high pressure pump mounted on top of the oil reservoir for easy inspection and servicing.
7. Electric Controls: The lift shall be supplied with a NEMA 4 weatherproof, constant pressure push button control and 20 ft. of coil type cord. The controller shall consist of a magnetic motor starter with 3 pole adjustable overloads and a 24 volt control transformer with a 4 amp safety fused secondary, all prewired in a NEMA 12 oil and dust-tight industrial enclosure. All controls and components shall be UL approved and the complete prewired controller assembly shall carry a separate UL Approved label.
8. Audio Visual Alarm: The lift shall be provided with and audio visual alarm system. The alarm shall have a volume adjustment.

D. Safety – The lift shall conform to the following safety standards:

1. ANSI MH29.1

2. BOCA
 3. OSHA
 4. National Electrical Code
- E. Finish – The lift shall undergo a 5 part paint finish process:
1. Cleaning, degreasing and a phosphate etching bath.
 2. Drying and inspection
 3. Prime painting with a rust inhibiting primer.
 4. Finish painting with two coats of an industrial hard enamel.
 5. Oven curing to bake on the paint finish.
- F. Warranty – The lift shall carry the following warranties:
1. A 1 year parts and labor warranty.
 2. A ten year or 125,000 cycle structural warranty.

PART 3 - EXECUTION

3.01 – EXAMINATION

- A. Verify that pit dimensions are correct.
- B. Verify that pit is square.
- C. Verify that pit floor is flat and level.
- D. Verify that hose chase is correct.
- E. Verify that electrical service is as specified.

3.02 – INSTALLATION

- A. Install square, flat and level in accordance with manufacturer's installation instructions.
- B. Shim complete underside of base frame of lift if needed and in accordance with manufacturer's installation instructions.
- C. Make electrical connections as specified and in accordance with manufacturer's installation instructions.

END OF SECTION